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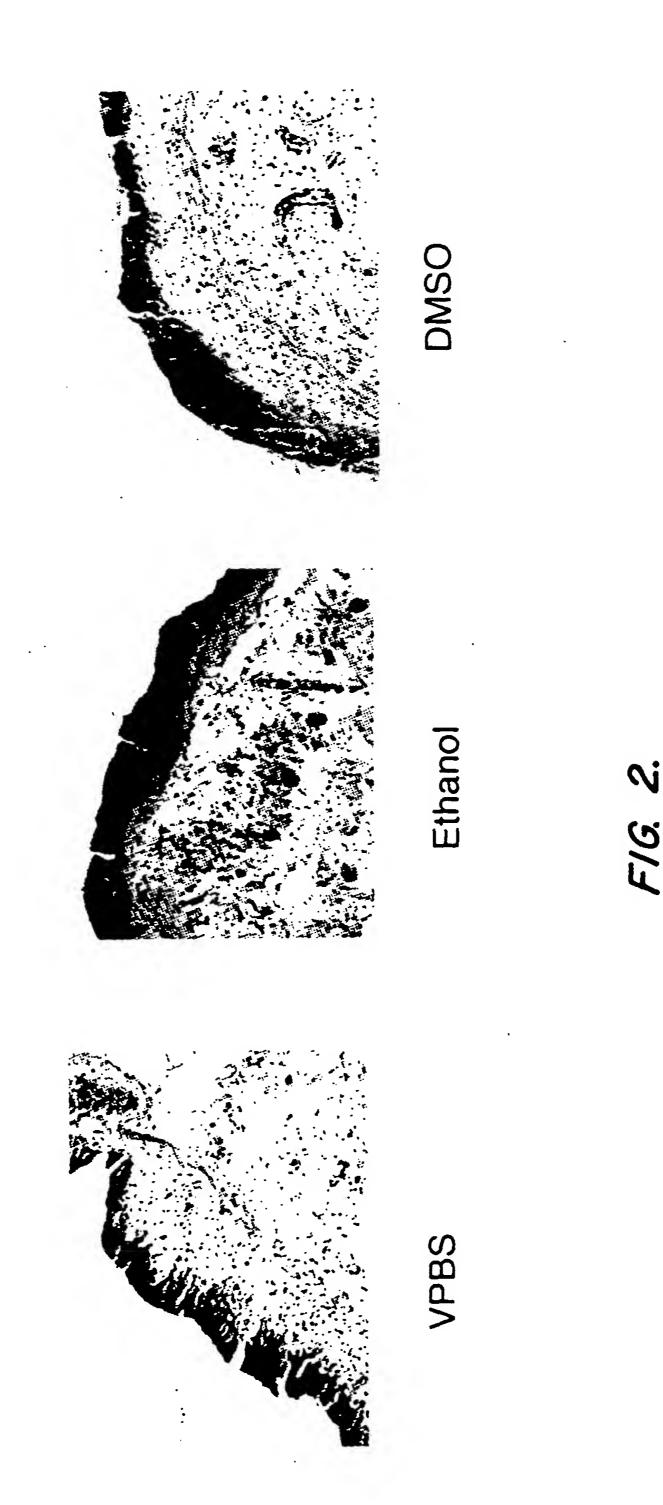
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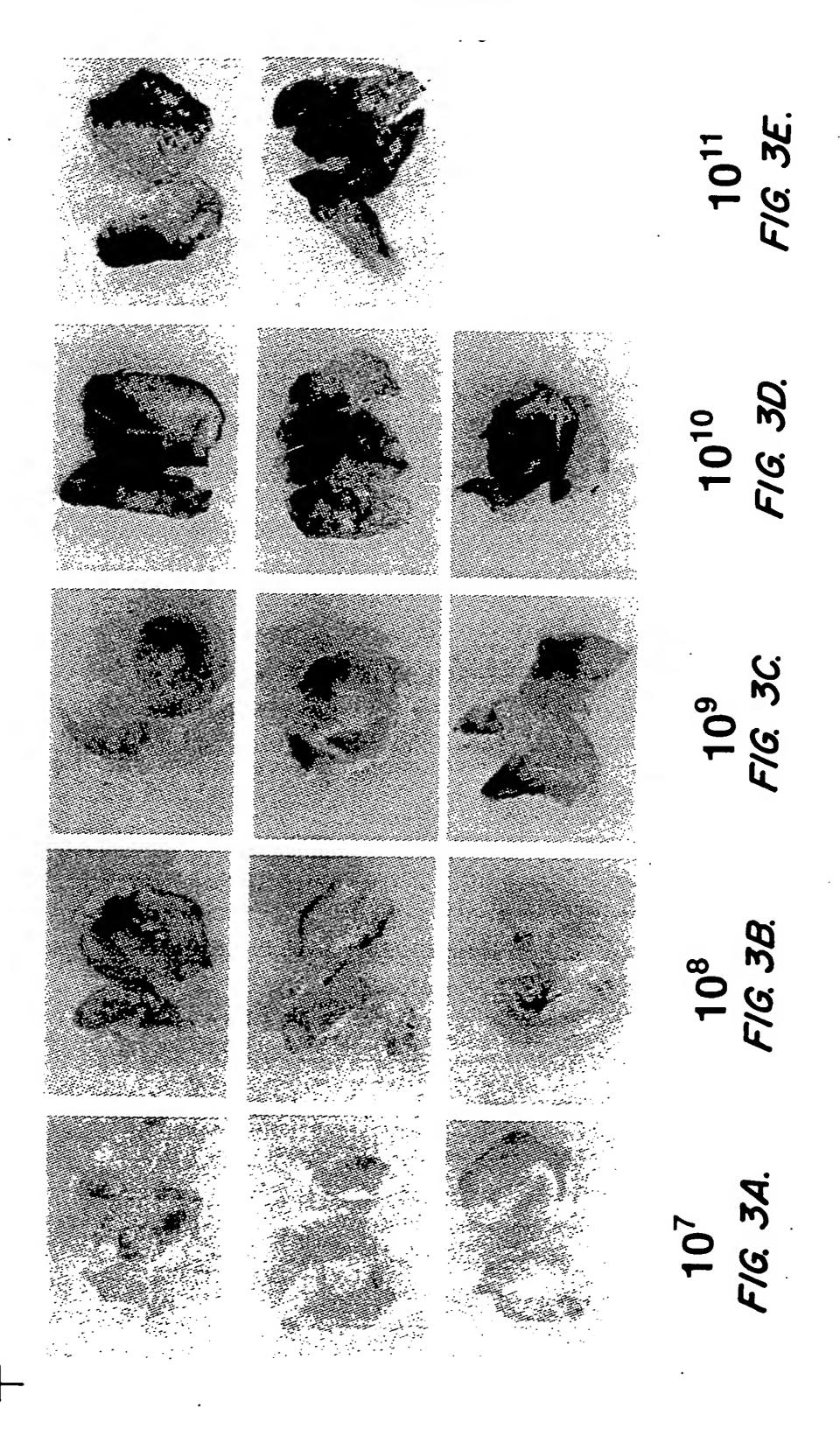
Applicant: Heidrun Engler et al.

Title: COMPOSITIONS AND METHODS FOR ENHANCING DELIVERY OF THERAPEUTIC AGENTS TO CELLS

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CONTROL CONTROL CONTROL ACNRB (VPBS) ACNRB (ETHANOL) NO-RT B-actin (PBS) G-actin (ETHANOL)

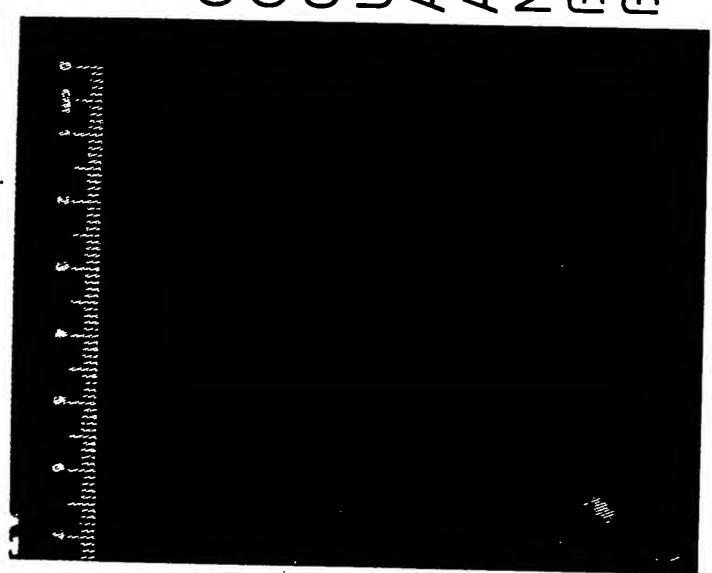


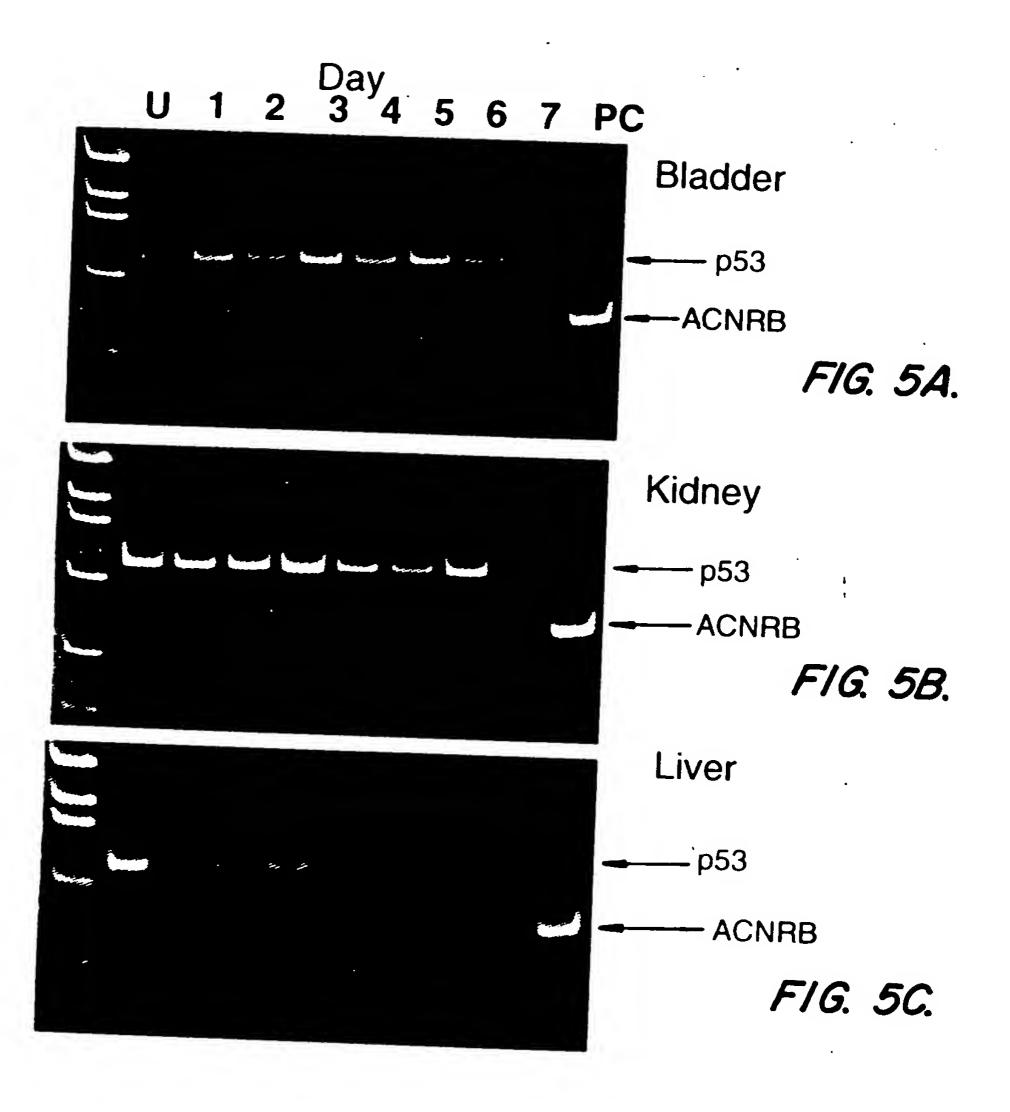
FIG. 4.

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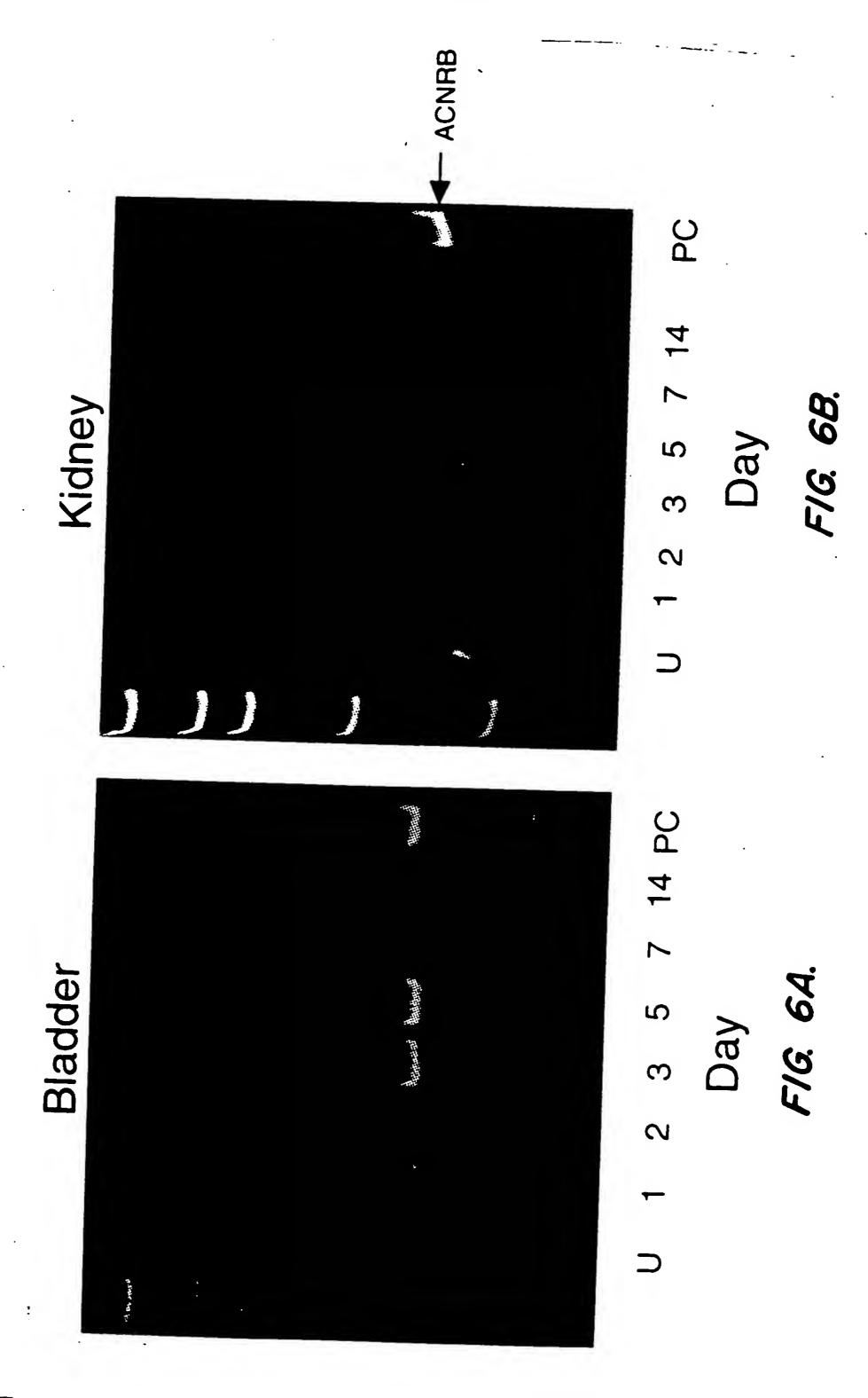


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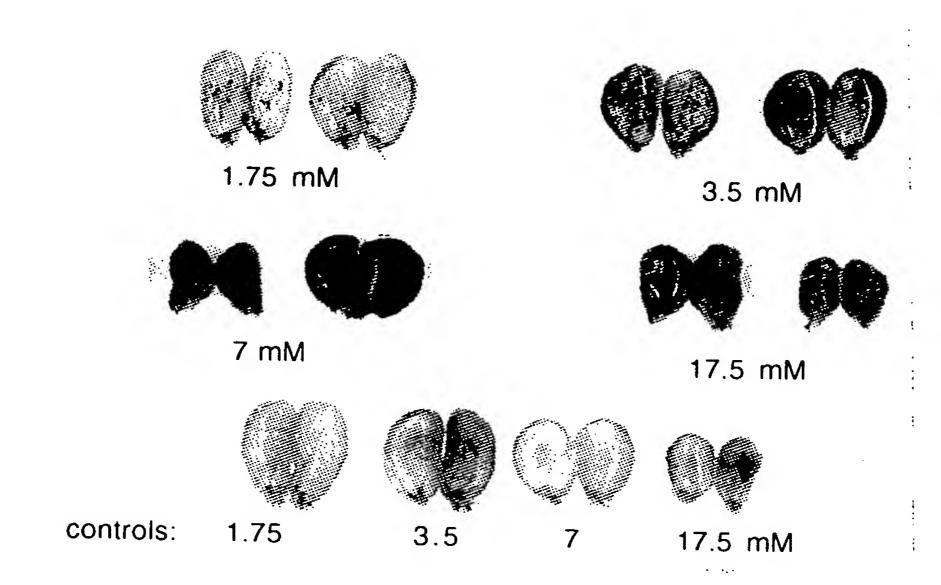


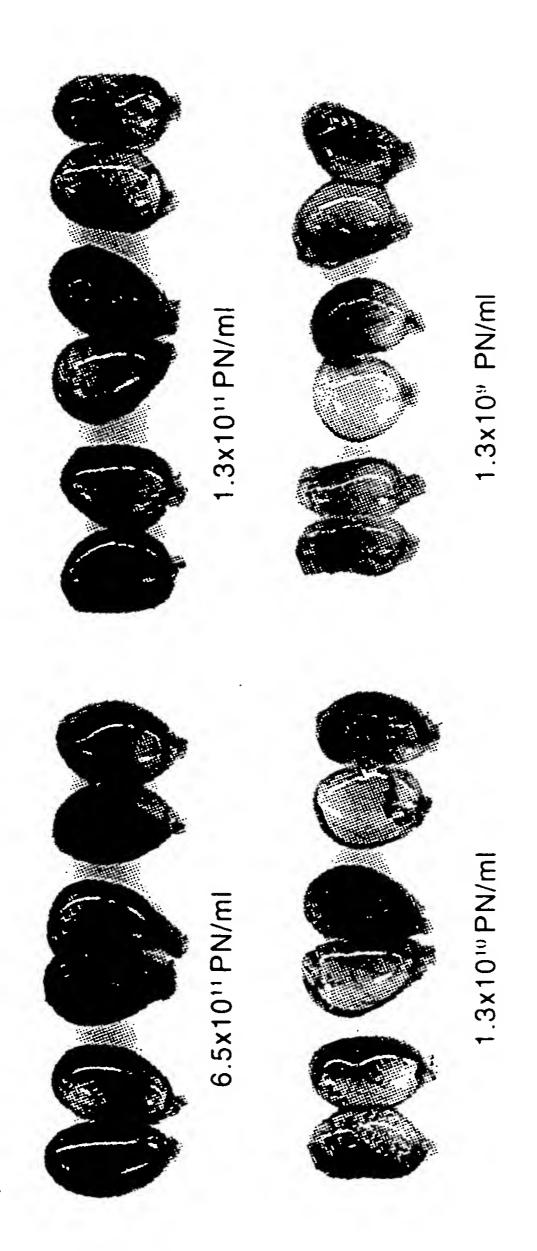
Figure 7

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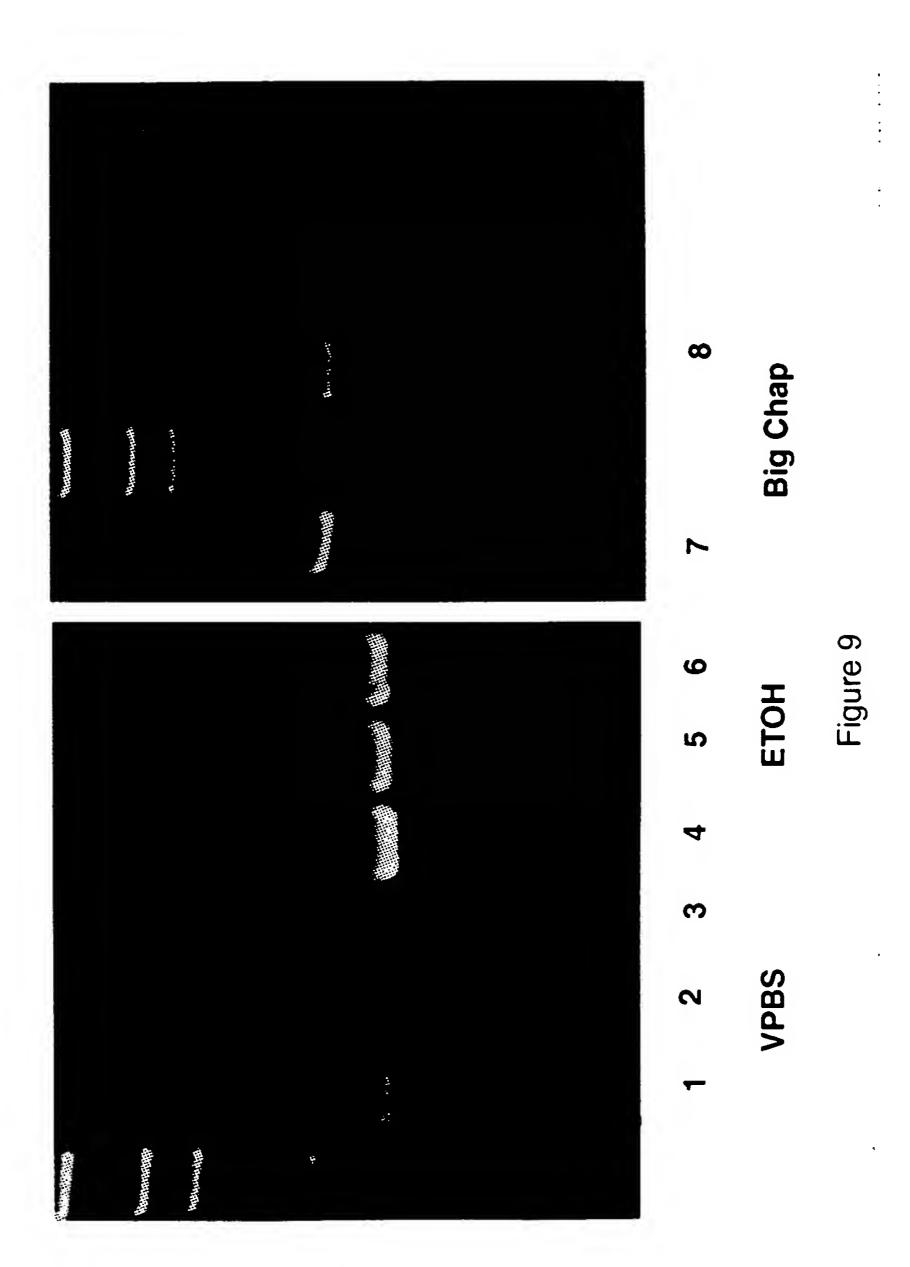
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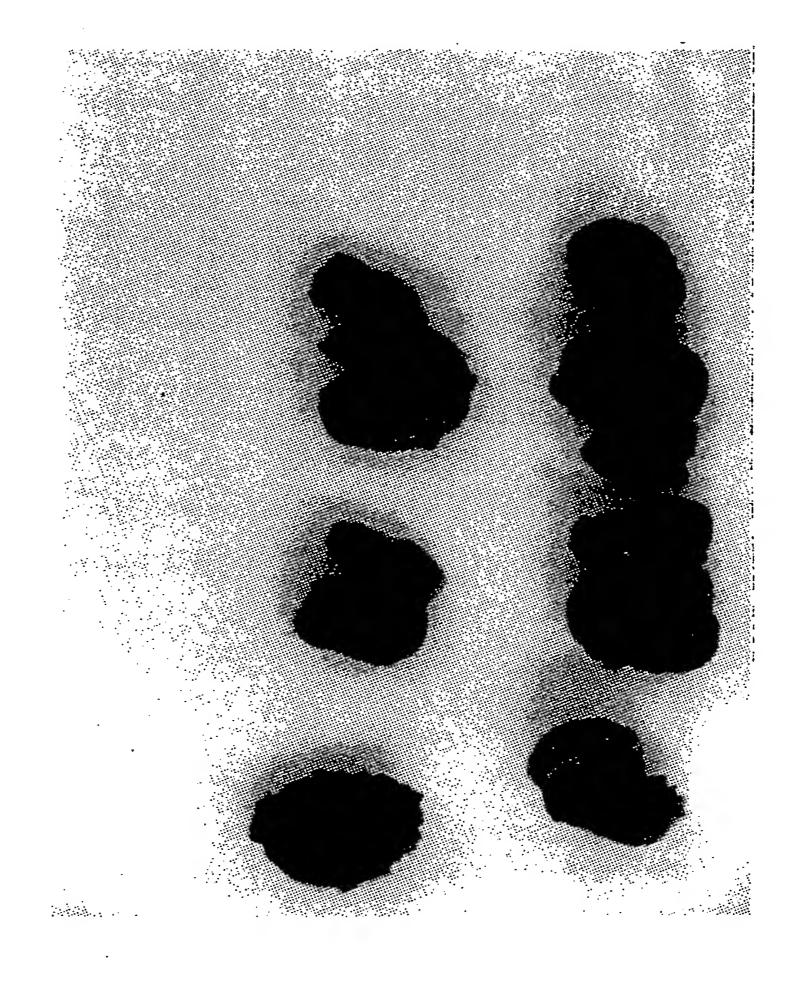
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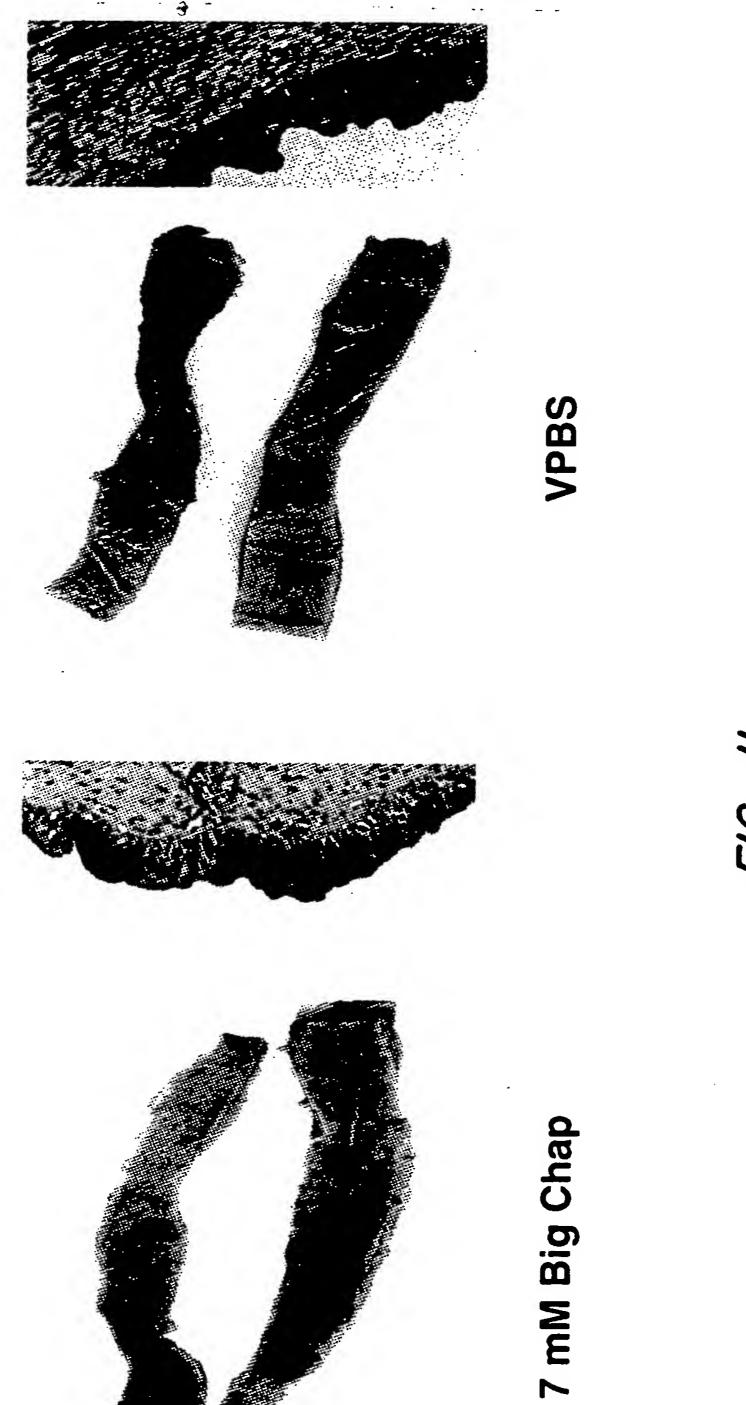
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VPBS

Big Chap (4 mM) Atty. Docket No.: 016930-000816US
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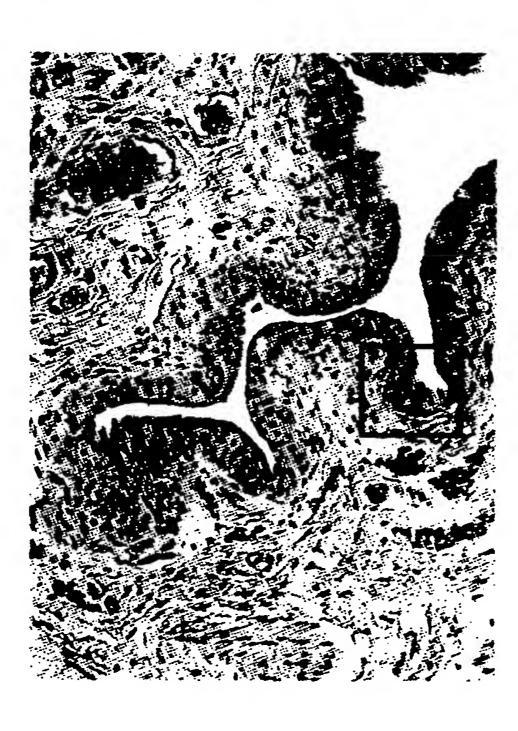
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Figure 13

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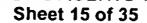
Applicant: Heidrun Engler et al.

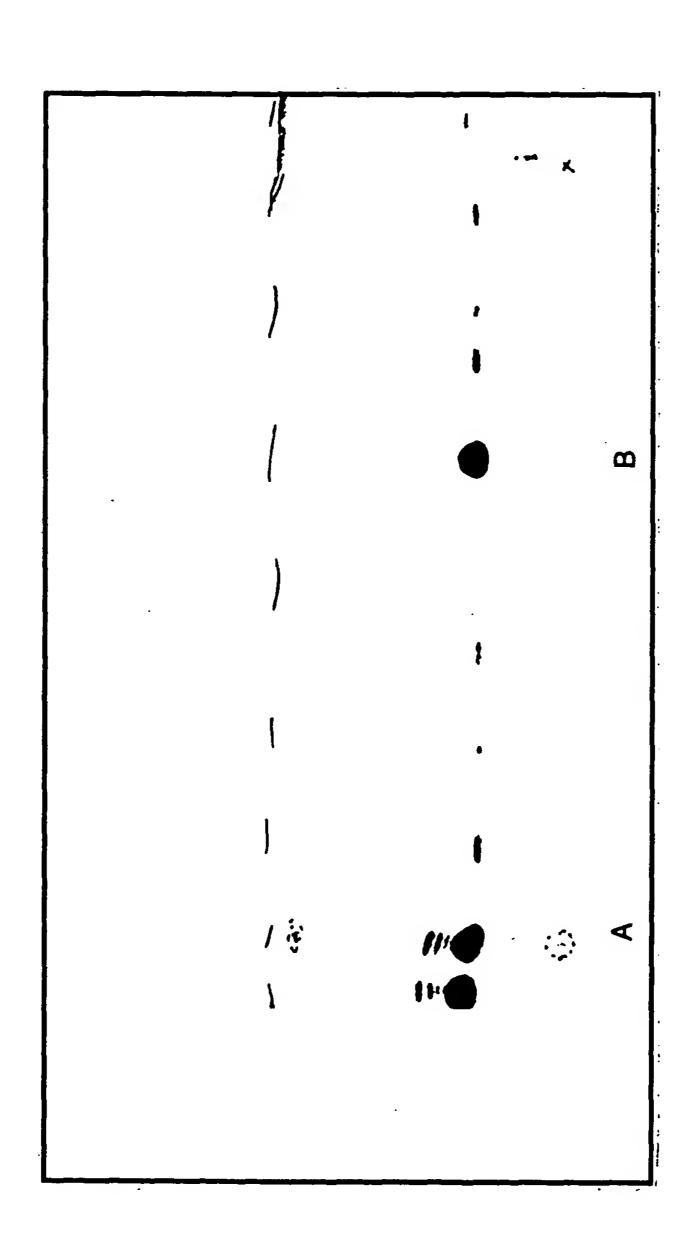
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FIG. 14.





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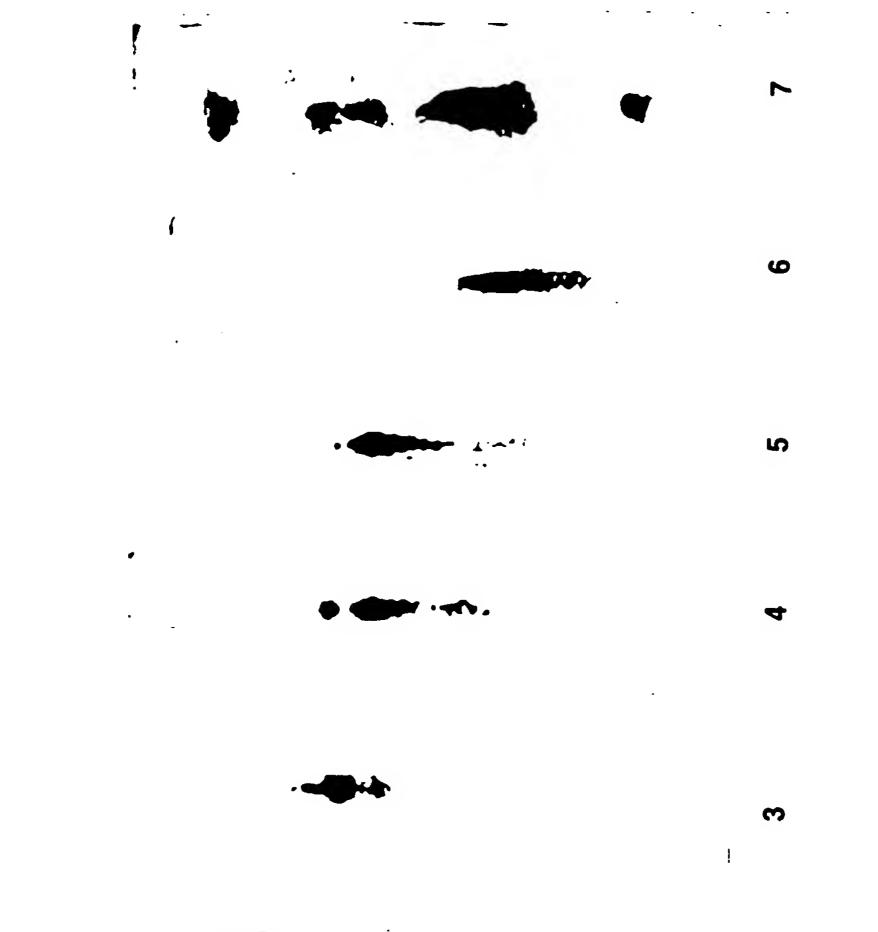
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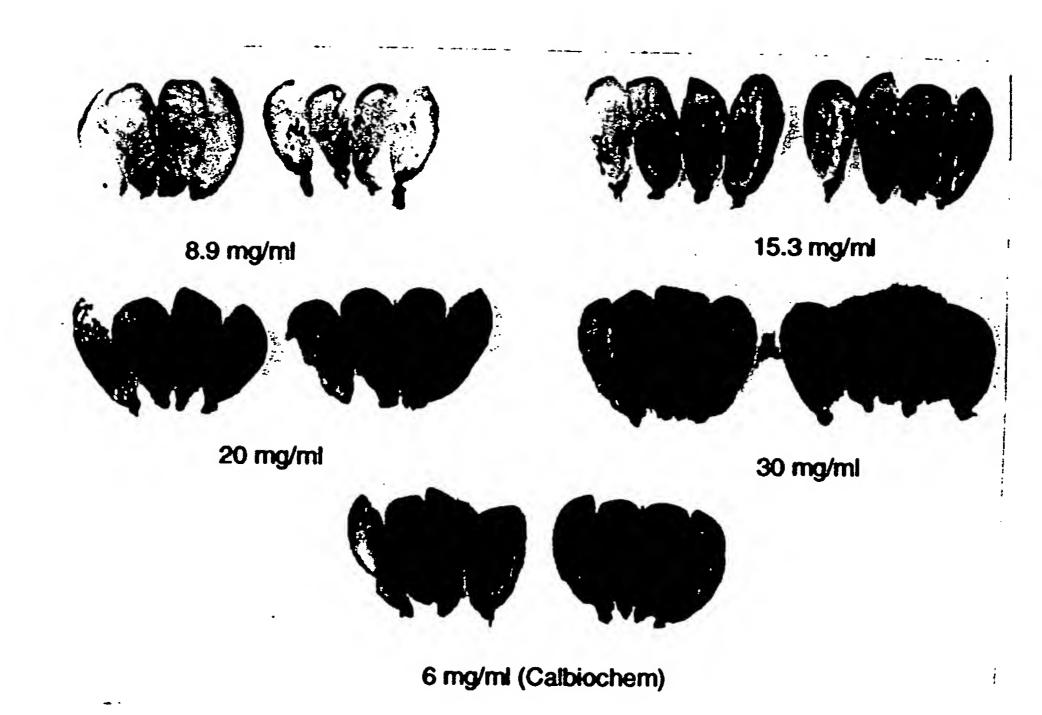
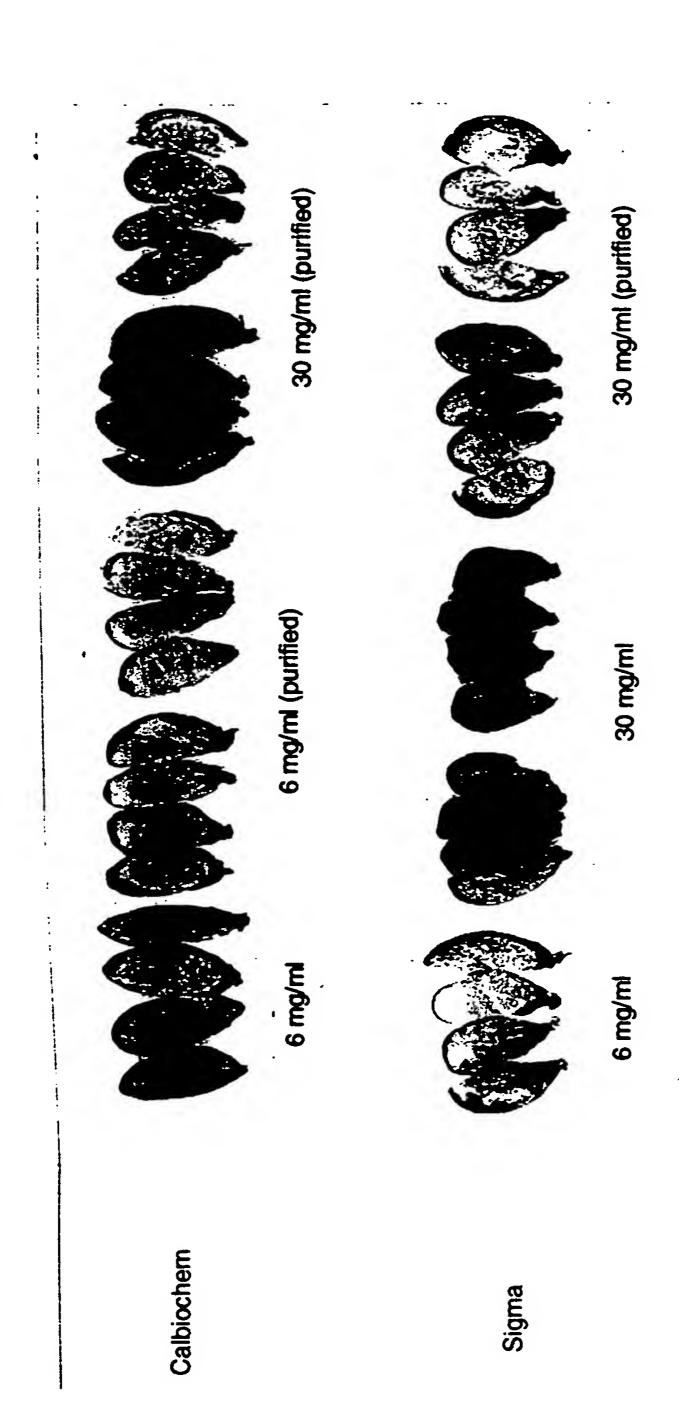


FIG. 17.

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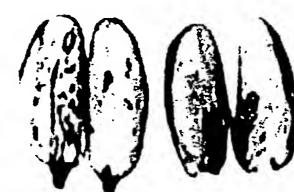
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6 mg/ml BC (Calbiochem)

6 mg/ml BC pure (Calbiochem)

6 mg/ml BC (Sigma)







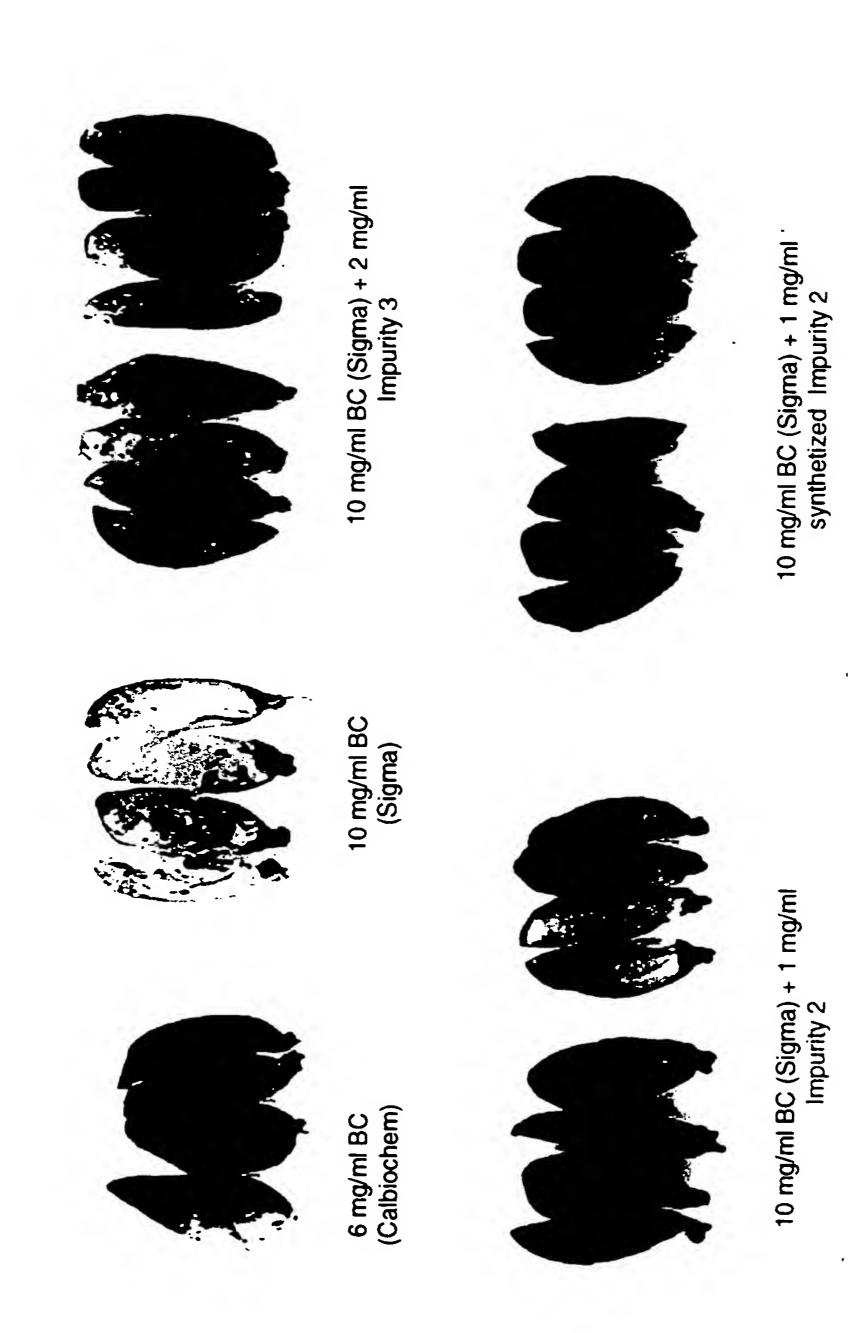
0.6 mg/ml Impurity



6 mg/ml Impurity I

FIG. 19.

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Syn3

A-tma

A-HCl

FIG. 21.

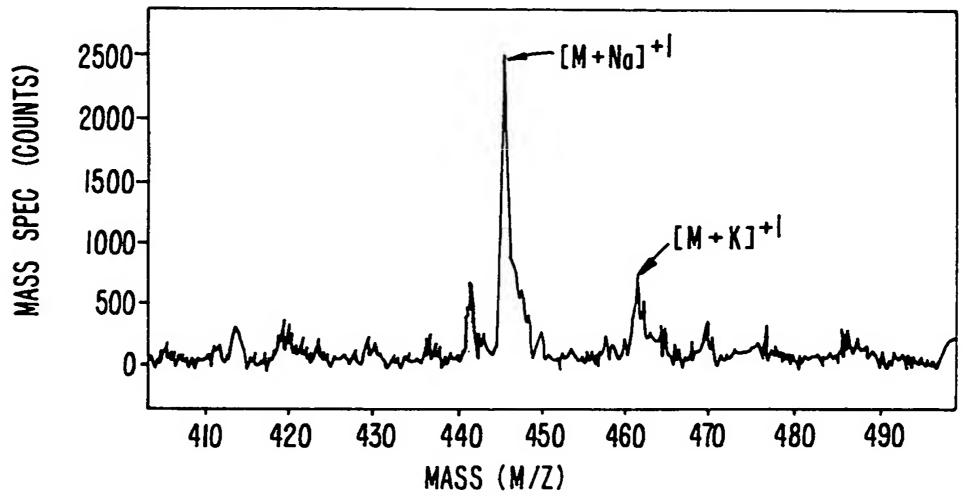
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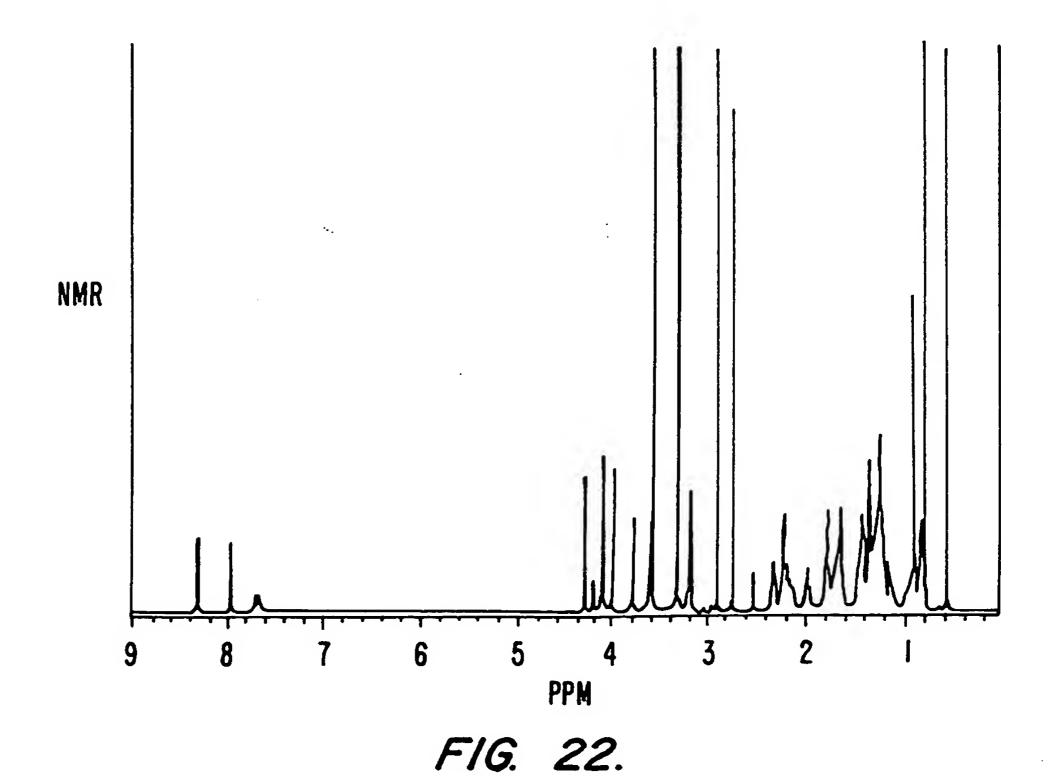
Atty. Docket No.: 016930-000816US

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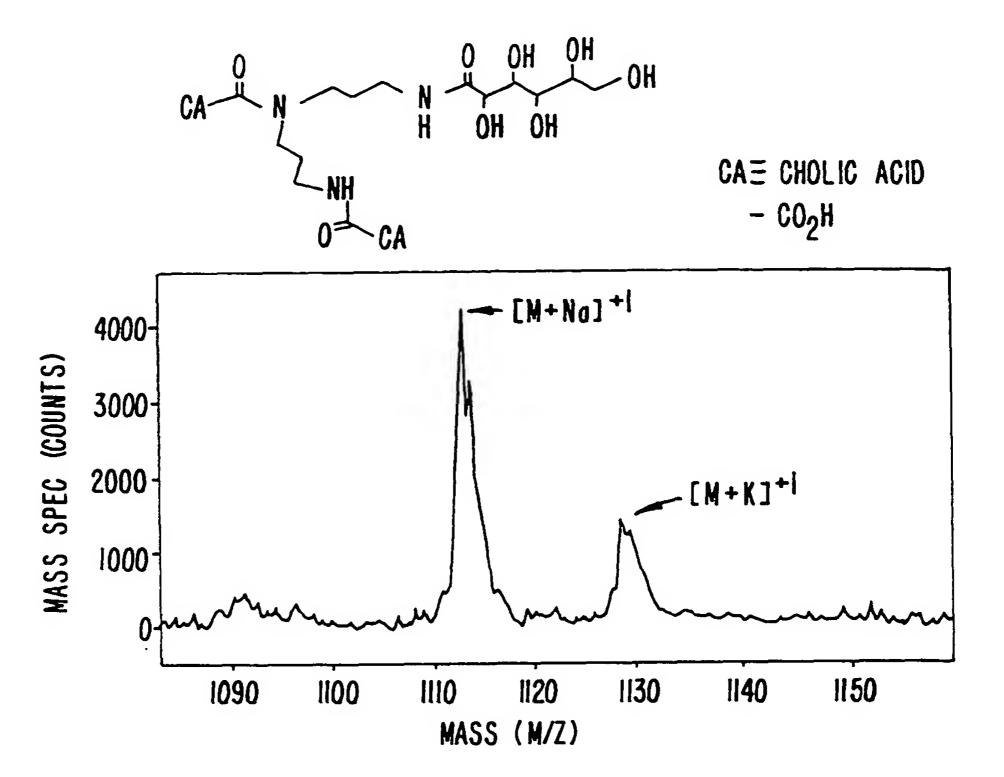


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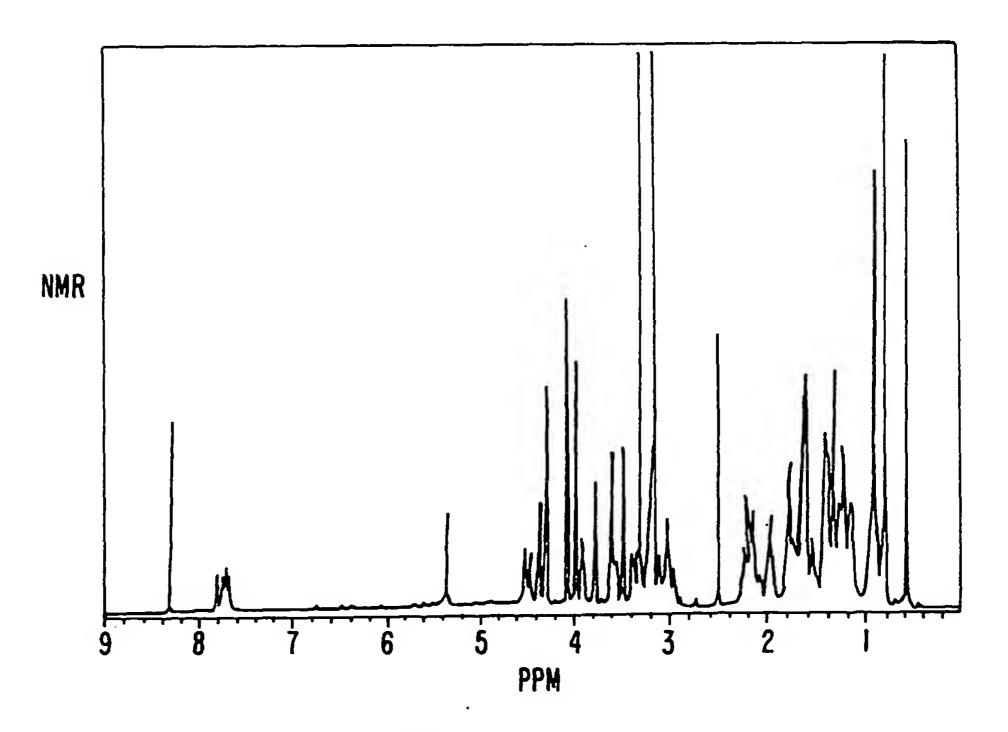


FIG. 23.

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THERAPEUTIC AGENTS TO CELLS **Sheet 24 of 35**

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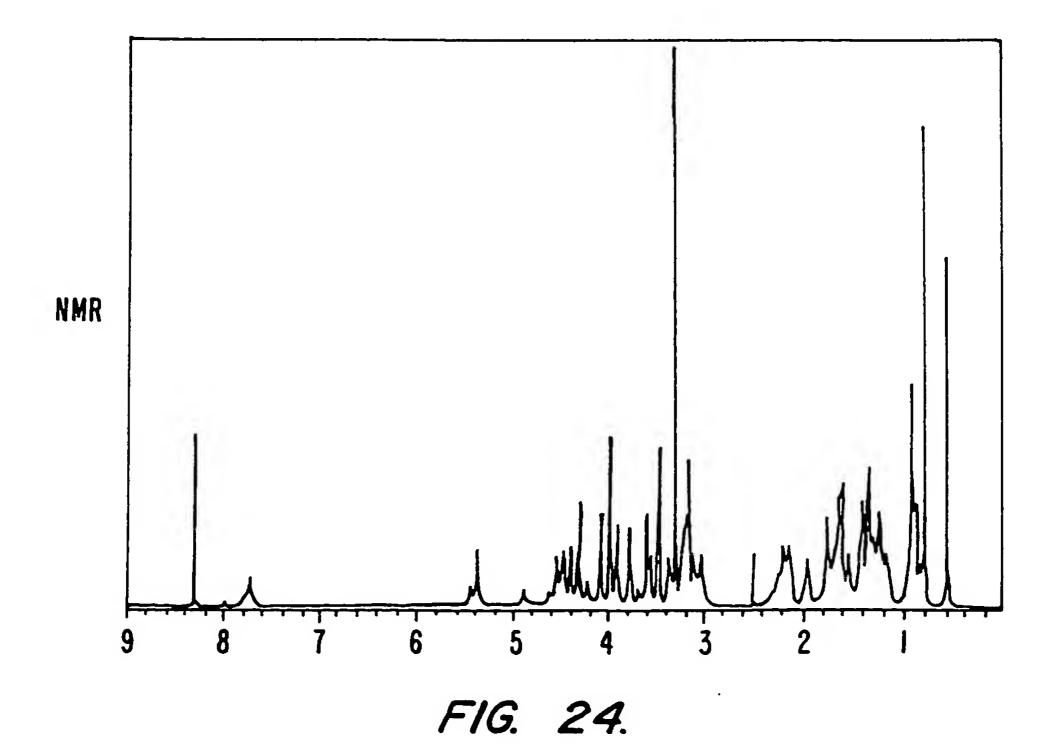
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$$H_2N$$
 N
 OH
 OH
 OH
 OH
 OH
 OH

$$CA) = \text{cholic acid-CO}_2H$$

$$2 \qquad CA$$

$$IV$$

FIG. 25.

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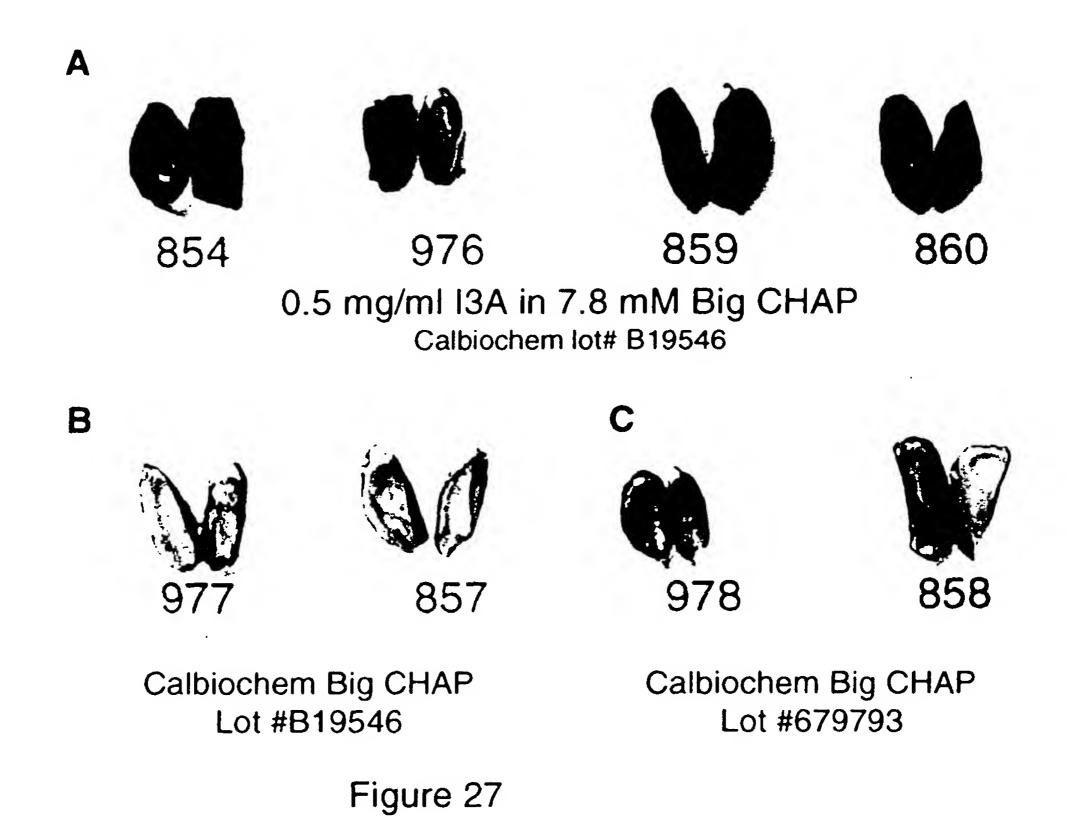
FIG. 26.

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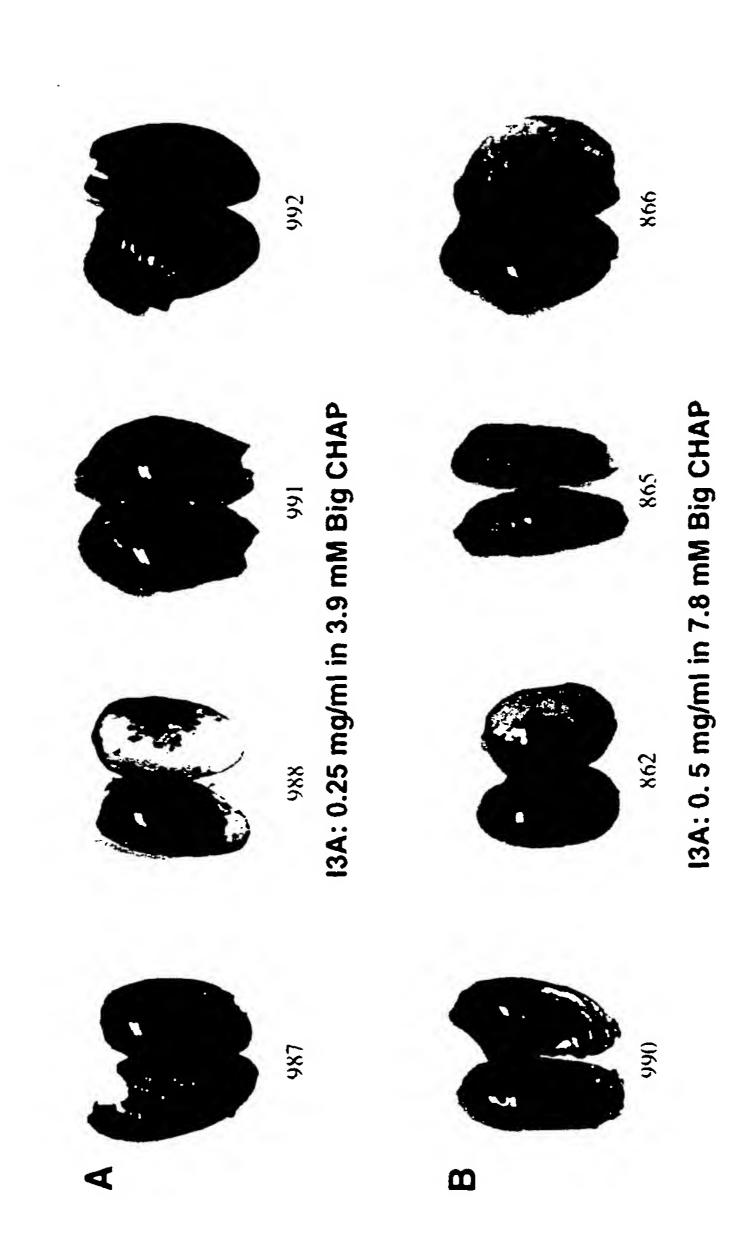


Figure 28

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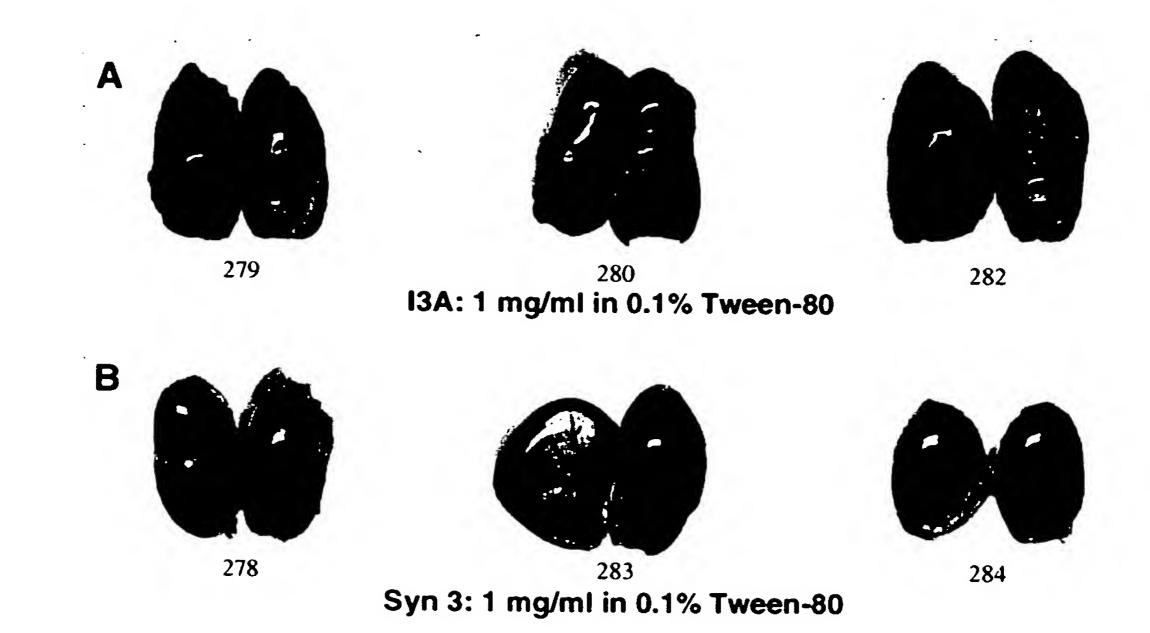


Figure 29

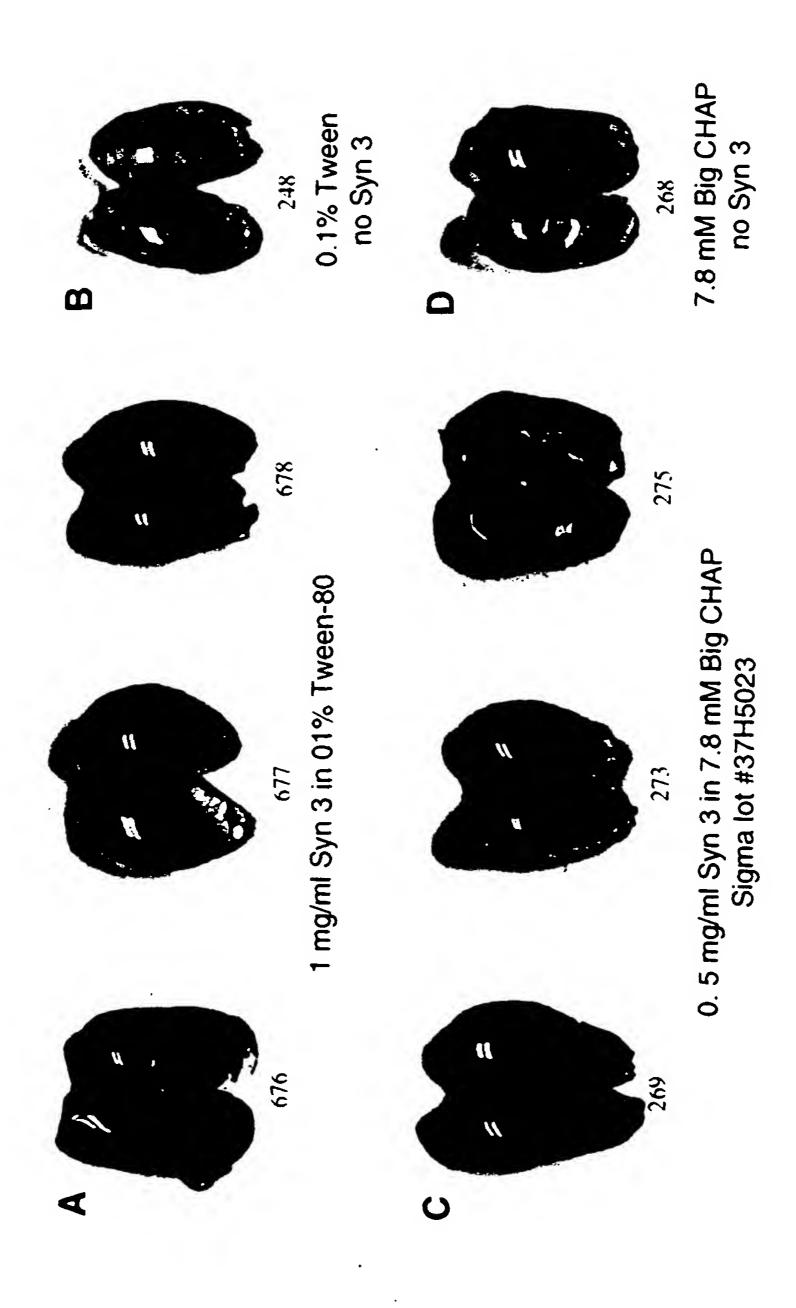


Figure 30

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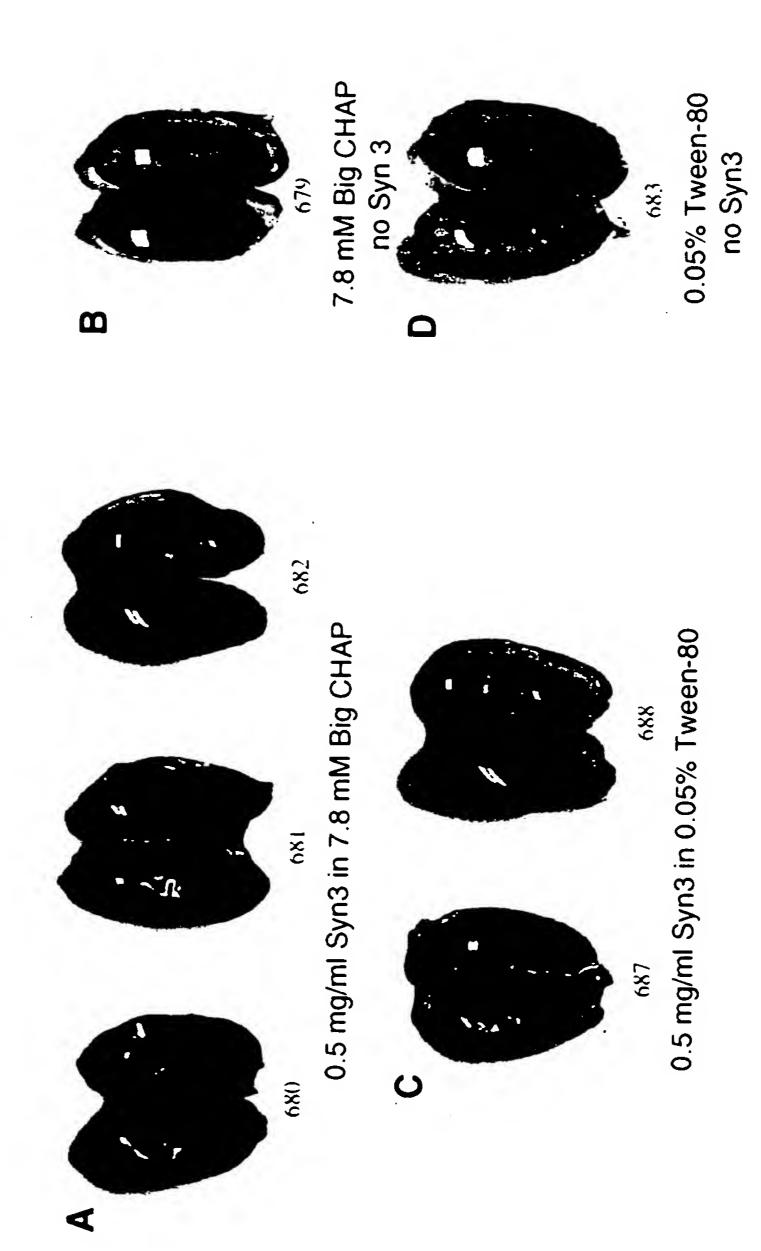
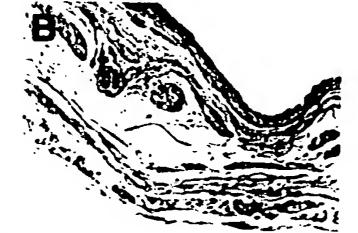


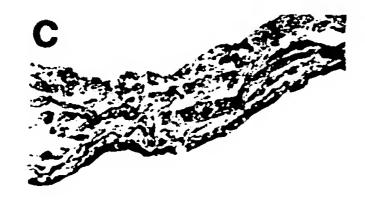
Figure 31

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0.5 mg/ml Syn3 / 7.8 mM Big CHAP



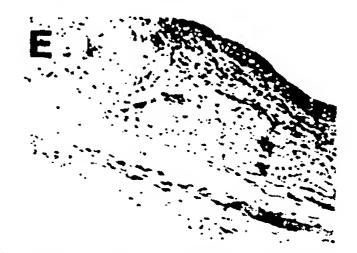
0.25 mg/ml Syn3 / 3.5 mM Big CHAP



No Syn3 / 7.8 mM Big CHAP



1mg/ml Syn3 / 0.1% Tween-80



0.5mg/ml Syn3 / 0.05% Tween-80



0.25mg/ml Syn3 / 0.025% Tween-80

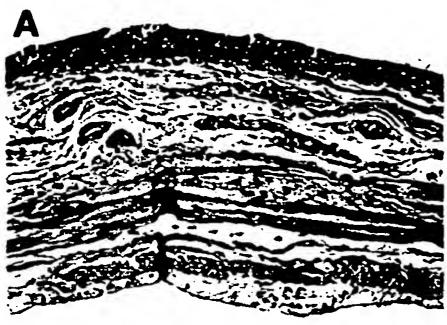
Figure 32

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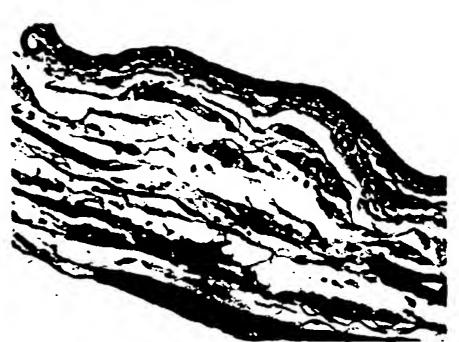
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Virus / Syn3 / 0.1% Tween-80



No Virus / Syn3 / 0.1% Tween-80



Virus / No Syn3 / 0.1% Tween-80



No virus / No Syn3 / 0.1% Tween-80

Figure 33

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Reaction 1

MeOH reflux

Gal- $\beta(1-4)$ gluconolactone

(from lactobionic acid / MeOH / DCC)

$$NH_2$$
 NH_2
 NH_2

Reaction 3

FIG. 34.

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FIG. 35.